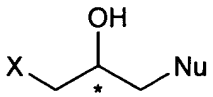
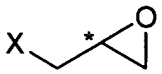
Amendments to the Claims

1. (Currently amended) A process for preparing regioselectively an optically active 1-halogeno-2-hydroxypropyl compound of the following formula;



(4)

wherein X is halogen atom and Nu is a heteroatom having a substituent, which comprises reacting an optically active epihalohydrin of the formula;



(1)

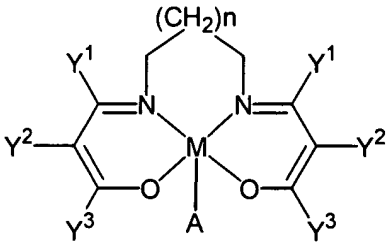
wherein X is halogen,

with a ~~neucleophilic~~ nucleophilic agent of the formula;

Nu-Q (3)

wherein Q is hydrogen atom or silicon having a substituent and Nu is the same as defined above,

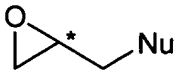
in the presence of a metal complex of the formula;



(2)

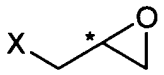
wherein n is an integer of 0, 1 or 2, Y^1, Y^2 and Y^3 are the same or different, hydrogen atom, halogen atom, nitro group, alkyl group optionally substituted, aryl group optionally substituted, acyl group, or alkoxycarbonyl group, and Y^1 and Y^2, or Y^2 and Y^3, taken together with the carbon atoms to which they are attached, may form a ring, A is a counterion and M is a metal ion.

2. (Currently amended) A process for preparing an optically active glycidyl compound of the formula;



(5)

wherein Nu is ~~the same as define the above~~ a heteroatom having a substituent, which comprises reacting an optically active epihalohydrin of the formula;



(1)

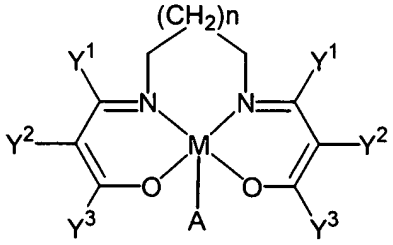
wherein X is ~~the same as define above~~ halogen,

with a ~~neucleophilic~~ nucleophilic agent of the formula;

Nu-Q (3)

wherein Q is hydrogen atom or silicon having a substituent and Nu ~~are~~ is the same as defined above,

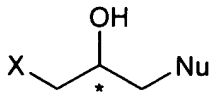
in the presence of a metal complex of the formula;



(2)

wherein ~~n, Y^1, Y^2 and Y^3, and M are the same as defined above~~ n is an integer of 0, 1 or 2, Y^1, Y^2 and Y^3 are the same or different, hydrogen atom, halogen atom, nitro group, alkyl group optionally substituted, aryl group optionally substituted, acyl group, or alkoxycarbonyl group, and Y^1 and Y^2, or Y^2 and Y^3, taken together with the carbon atoms to which they are attached, may form a ring, A is a counterion and M is a metal ion,

to prepare regioselectively an optically active 1-halogeno-2-hydroxypropyl compound of the following formula;



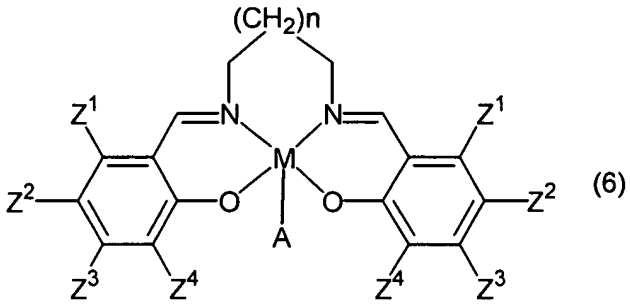
(4)

wherein X and Nu are the same as defined above,

and further subjecting the compound (4) to reaction with a base.

3. (Previously presented) The process of claim 1 wherein X in the formulae (1) and (4) is chlorine atom or bromine atom.

4. (Currently amended) The process of claim 1 wherein the compound (2) is a compound of a following formula (6):



(6)

wherein n is an integer of 0, 1 or 2, Z^1, Z^2, Z^3 and Z^4 are the same or different, hydrogen atom, halogen atom, nitro group, straight alkyl group optionally substituted, aralkyl optionally substituted, aryl group optionally substituted, ~~acyl group,~~ alkyloxy optionally substituted, aralkyloxy optionally substituted or aryloxy optionally substituted Z^1 and Z^2, Z^2 and Z^3, or Z^3 and Z^4, taken together with the carbon atoms to which they are attached, may form a ring, and A is a counterion and M is a metal ion.

5. (Currently amended) The process of claim 1 wherein the ~~neuclophilic~~ nucleophilic agent (3) is a compound of a following formula (7):

R-OH

wherein R is hydrogen atom, straight or branched alkyl group, straight or branched alkylcarbonyl group, aralkyl group optionally substituted, aralkylcarbonyl group optionally substituted, aryl group optionally substituted or arylcarbonyl group optionally substituted.

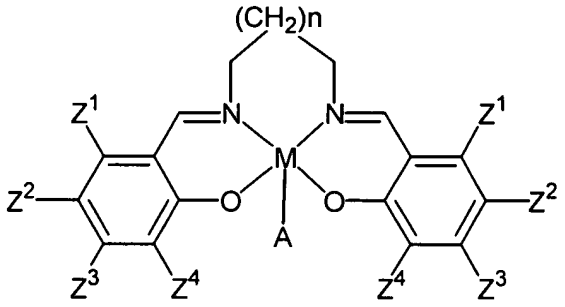
6. (Currently amended) The process of claim 1 wherein M in the ~~compounds (2) and (6)~~ compound (2) is vanadium ion, chromium ion, manganese ion, iron ion, cobalt ion, nickel ion, molybdenum ion, ruthenium ion or tungsten ion.

7. (Currently amended) The process of claim 1 wherein A in the ~~compounds (2) and (6)~~ compound (2) is acetate, n-butyrate, (±)-comphorsulfonate, methanesulfonate, p-toluenesulfonate or trifluoromethanesulfonate.

8. (Previously presented) The process of claim 1 wherein the process for preparation for the compound (4) starting from the compound (1) is carried out in an ether as a reaction solvent.

9. (Previously presented) The process of claim 2 wherein X in the formulae (1) and (4) is chlorine atom or bromine atom.

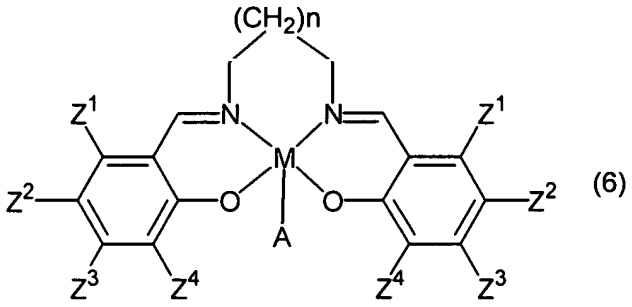
10. (Currently amended) The process of claim 2 wherein the compound (2) is a compound of a following formula (6):



(6)

wherein n is an integer of 0, 1 or 2, Z^1, Z^2, Z^3 and Z^4 are the same or different, hydrogen atom, halogen atom, nitro group, straight alkyl group optionally substituted, aralkyl optionally substituted, aryl group optionally substituted, ~~acyl group,~~ alkyloxy optionally substituted, aralkyloxy optionally substituted or aryloxy optionally substituted Z^1 and Z^2, Z^2 and Z^3, or Z^3 and Z^4, taken together with the carbon atoms to which they are attached, may form a ring, and A is a counterion and M is a metal ion.

11. (Currently amended) The process of claim 3 wherein the compound (2) is a compound of a following formula (6):



(6)

wherein n is an integer of 0, 1 or 2, Z^1, Z^2, Z^3 and Z^4 are the same or different, hydrogen atom, halogen atom, nitro group, straight alkyl group optionally substituted, aralkyl optionally substituted, aryl group optionally substituted, ~~acyl group,~~ alkyloxy optionally substituted, aralkyloxy optionally substituted or aryloxy optionally substituted Z^1 and Z^2, Z^2 and Z^3, or Z^3 and Z^4, taken together with the carbon atoms to which they are attached, may form a ring, and A is a counterion and M is a metal ion.

12. (Currently amended) The process of claim 2 wherein the ~~neuclophilic~~ nucleophilic agent (3) is a compound of a following formula (7):

R-OH

wherein R is hydrogen atom, straight or branched alkyl group, straight or branched alkylcarbonyl group, aralkyl group optionally substituted, aralkylcarbonyl group optionally substituted, aryl group optionally substituted or arylcarbonyl group optionally substituted.

13. (Currently amended) The process of claim 3 wherein the ~~neuclophilic~~ nucleophilic agent (3) is a compound of a following formula (7):

R-OH

wherein R is hydrogen atom, straight or branched alkyl group, straight or branched alkylcarbonyl group, aralkyl group optionally substituted, aralkylcarbonyl group optionally substituted, aryl group optionally substituted or arylcarbonyl group optionally substituted.

14. (Currently amended) The process of claim 4 wherein the ~~neuclophilic~~ nucleophilic agent (3) is a compound of a following formula (7):

R-OH

wherein R is hydrogen atom, straight or branched alkyl group, straight or branched alkylcarbonyl group, aralkyl group optionally substituted, aralkylcarbonyl group optionally substituted, aryl group optionally substituted or arylcarbonyl group optionally substituted.

15. (Currently amended) The process of claim 2 wherein M in the ~~compounds (2) and (6)~~ compound (2) is vanadium ion, chromium ion, manganese ion, iron ion, cobalt ion, nickel ion, molybdenum ion, ruthenium ion or tungsten ion.

16. (Currently amended) The process of claim 3 wherein M in the ~~compounds (2) and (6)~~ compound (2) is vanadium ion, chromium ion, manganese ion, iron ion, cobalt ion, nickel ion, molybdenum ion, ruthenium ion or tungsten ion.

17. (Currently amended) The process of claim 4 wherein M in the ~~compounds (2) and (6)~~ compound (6) is vanadium ion, chromium ion, manganese ion, iron ion, cobalt ion, nickel ion, molybdenum ion, ruthenium ion or tungsten ion.

18. (Currently amended) The process of claim 5 wherein M in the ~~compounds (2) and (6)~~ compound (2) is vanadium ion, chromium ion, manganese ion, iron ion, cobalt ion, nickel ion, molybdenum ion, ruthenium ion or tungsten ion.

19. (Currently amended) The process of claim 2 wherein A in the ~~compounds (2) and (6)~~ compound (2) is acetate, n-butyrate, (±)-comphorsulfonate, methanesulfonate, p-toluenesulfonate or trifluoromethanesulfonate.

20. (Currently amended) The process of claim 3 wherein A in the ~~compounds (2) and (6)~~ compound (2) is acetate, n-butyrate, (±)-comphorsulfonate, methanesulfonate, p-toluenesulfonate or trifluoromethanesulfonate.

21. (Currently amended) The process of claim 4 wherein A in the ~~compounds (2) and (6)~~ compound (6) is acetate, n-butyrate, (±)-comphorsulfonate, methanesulfonate, p-toluenesulfonate or trifluoromethanesulfonate.

22. (Currently amended) The process of claim 5 wherein A in the ~~compounds (2) and (6)~~ compound (2) is acetate, n-butyrate, (±)-comphorsulfonate, methanesulfonate, p-toluenesulfonate or trifluoromethanesulfonate.

23. (Currently amended) The process of claim 6 wherein A in the ~~compounds (2) and (6)~~ compound (2) is acetate, n-butyrate, (±)-comphorsulfonate, methanesulfonate, p-toluenesulfonate or trifluoromethanesulfonate.

24. (Previously presented) The process of claim 2 wherein the process for preparation for the compound (4) starting from the compound (1) is carried out in an ether as a reaction solvent.

25. (Previously presented) The process of claim 3 wherein the process for preparation for the compound (4) starting from the compound (1) is carried out in an ether as a reaction solvent.

26. (Previously presented) The process of claim 4 wherein the process for preparation for the compound (4) starting from the compound (1) is carried out in an ether as a reaction solvent.

27. (Previously presented) The process of claim 5 wherein the process for preparation for the compound (4) starting from the compound (1) is carried out in an ether as a reaction solvent.

28. (Previously presented) The process of claim 6 wherein the process for preparation for the compound (4) starting from the compound (1) is carried out in an ether as a reaction solvent.

29. (Previously presented) The process of claim 7 wherein the process for preparation for the compound (4) starting from the compound (1) is carried out in an ether as a reaction solvent.